Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/24/2017 10:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124369	-1	1.65	124289	1.61
Blue	F	SSC	125000	123623	-2	2.39	124112	2.20
Blue	E	FITC	21625	20986	-3	2.45	929	10.30
Blue	D	PE	26832	26312	-2	2.02	942	9.75
Blue	B	PerCP-Cy5-5	48027	47502	-2	3.26	1360	16.38
Blue	A	PE-Cy7	40971	40554	-2	4.92	628	34.50
Red	C	APC	49746	49195	-2	2.73	2853	9.32
Red	A	APC-Cy7	53615	52877	-2	2.74	1092	11.32
Violet	B	V450	14488	13730	-6	5.98	657	9.71
Violet	A	V500	55123	53564	-3	5.87	2371	7.54

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20003	5.07	604	6	N/A	N/A	Pass
Blue	F	SSC	61607	1.53	534	0	N/A	N/A	Pass
Blue	E	FITC	108	37.97	534	-2	0.0206	147	Pass
Blue	D	PE	208	28.15	529	-2	0.1586	209	Pass
Blue	B	PerCP-Cy5-5	214	43.66	627	-2	0.0109	110	Pass
Blue	A	PE-Cy7	69	111.89	677	-4	0.0125	10	Pass
Red	C	APC	331	27.61	591	-3	0.0209	88	Pass
Red	A	APC-Cy7	122	41.57	576	-4	0.0055	1965	Pass
Violet	B	V450	80	42.14	469	-2	0.0565	2389	Pass
Violet	A	V500	172	23.14	495	-1	0.0180	975	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/24/2017 10:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.75	-31.24	0.84
Blue	20.32	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	16.80	13.27 - 19.91	N/A	N/A	31.38	31.75	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 11329

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments